

("directional evaporation induced self-assembly")

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G Ozin

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RWJ Scott, DEW San Ming Yang, GA Ozin - Chemical Communications, 2003 - rsc.org

... weight surfactant-free polystyrene colloid solution (sphere ... air-water interface,

and DEISA driven growth of the polystyrene colloidal film proceeded ...

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HM San Ming Yang, GA Ozin - doi.wiley.com

... The microspheres are deposited inside the microchannels through ADEISA. ... Ball B /

DEISA ... [20]W. Stober, A. Fink, E. Bohn, J. Colloid Interface Sci. ...

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A Arsenault, S Fournier-Bidoz, B Hatton, H Miguez ... - Journal of Materials Chemistry, 2004 - pubs.rsc.org

... 15. Structural and optical quality of patterned colloidal crystals made by ADEISA and IHDEISA are contingent upon both microsphere monodispersity and surface ...

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V Shklover - Chem. Mater., 2005 - crystal.mat.ethz.ch

... co-workers for growth of silica colloidal crystals of different geometries and on

different substrates with directed evaporation induced self-assembly (DEISA). ...

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(directional OR directed) AND "mass transp+">

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[Hierarchical battery electrodes based on inverted opal structures - group of 2 »](#)JS Sakamoto, B Dunn - Journal of Materials Chemistry, 2002 - pubs.rsc.org
... Removal of the colloidal spheres leaves a 3-D ... communication is directed at

J Sakamoto

B Dunn

O Velev

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G Ozin

electrochemical properties and ... channels that enhance mass transport throughout the ...

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... of the Bragg stop bands and greater mass transport. ... This novel directed
colloidal-assembly technique ... surfactant-free polystyrene colloid solution (sphere ...

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... of strong capillary-driven directional mass flow ... capillary forces and mass-transport
effects to drive ... microphotonic crystals made by directed self-assembly» ...

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... larger pores allow rapid mass transport, while the ... Template-directed preparation
of macroporous polymers with ... Lenhoff Current Opinion in Colloid & Interface ...

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[3D ordered macroporous materials](#)RC Schroden, A Stein - ... , Modification, Organization and Utilization of Colloid ..., 2003 - doi.wiley.com
... materials potentially allow easier mass transport through the ... bioactive materials,
and templates for colloid synthesis, follows ... effort has been directed to the ...

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... tally switchable payload release, or directed self-assembly. ... detailed phase-transition
behavior, mass-transport through the network, and colloidal stability ...

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... a submerged, weighted metal block, and directed subaerially through ... partially
transformed to crusts of opal-A ... over-saturation caused by cooling and evaporation. ...

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[\[BOOK\] Supramolecular Organization and Materials Design - group of 3 »](#)WEDT Jones - 2002 - books.google.com
... stages of their development, crystallization does not appear to occur from a
supersaturated aqueous solution, but rather from structured colloidal phases. ...

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[Enzyme immobilization by condensation copolymerization into crosslinked polyacrylamide gels](#)A Pollak, H Blumenfeld, M Wax, RL Baughn, GM ... - Journal of the American Chemical Society, 1980 - pubs.acs.org
... in aqueous-organic solvent mixtures. ... Inclusion of a Ferrofluid-a surfactant-stabilized
magnetic colloid-in the gel-forming step results in the formation of a ...

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[\[BOOK\] The Chemistry of Nanostructured Materials](#)P Yang - 2003 - books.google.com
... in the past decades including colloidal nanocrystal, bucky ... synthetic efforts have
also been directed towards the ... ammonium cations, or neutral solvent molecules ...

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